### Pathway Advising Notes:

- none

### Course Advising Notes:

- **M171**: UM required course. Student may need to take M 151 the summer or semester prior to taking M 171. M 171 is offered fall and spring semesters.
- **GEO101**: UM required course.

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### Academic Pathways Map

#### Geosciences Transfer to UM

**A.S. Engineering and Math**

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#### Start Here

<table>
<thead>
<tr>
<th>SEMESTER 1</th>
<th>CREDITS</th>
<th>MILESTONE</th>
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<tbody>
<tr>
<td>M171: Calculus I</td>
<td>4</td>
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<tr>
<td>WRIT101: College Writing I</td>
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<tr>
<td>GEO101: Introduction to Physical Geology</td>
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<tr>
<td>PHSX205: College Physics I</td>
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<td>COLS101: First Year Seminar</td>
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**TOTAL CREDITS 18**

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#### SEMESTER 2

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<tr>
<td>STAT216: Introduction to Statistics</td>
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<tr>
<td>PSYX100: Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>CSC1100: Introduction to Programming</td>
<td>3</td>
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<tr>
<td>BIOB170: Principles of Biological Diversity</td>
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<tr>
<td>NASX105: Introduction to Native American Studies</td>
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**TOTAL CREDITS 16**

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#### SEMESTER 3

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<tr>
<td>CHMY121, CHMY141</td>
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<tr>
<td>BIOB160: Principles of Living Systems</td>
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<td>SPNS101: Elementary Spanish</td>
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<tr>
<td>LIT110: Introduction to Literature</td>
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**TOTAL CREDITS 15**

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#### SEMESTER 4

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<tbody>
<tr>
<td>ECNS202, PSCI210, SOCI101</td>
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<tr>
<td>SPNS102: Elementary Spanish II</td>
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<tr>
<td>ENST230: Nature and Society</td>
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<tr>
<td>ENSC105: Environmental Science</td>
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<tr>
<td>COMX111: Introduction to Public Speaking</td>
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</table>

**TOTAL CREDITS 16**

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**You are finished!**

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**Academic Year 2024 - 2025**
PHSX205: UM required course.
STAT216: UM required course.
PSYX100: S&PS/H course.
CSCI100: UM required course.
BIOB170: This course is not required by UM, but it is a good science option for students that want to complete an AS at HC.
NASX105: D & CHAI course. Course offered every fall, spring, and summer semester.
CHMY121 or CHMY141: UM required course. Choose one.
BIOB160: *or others; see notes at bottom. Course may not be needed if student takes M151 prior to taking M171 in semester 1.
SPNS101: H&FA course needed for 60 credits for degree.
LIT110: This course not required by UM degree, but it will meet the intermediate writing requirement.
1 of ECNS202, PSCI210, SOCI101: S&PS/H course. Recommended courses meet core requirements at both UM and HC. Any HC S&PS/H course will meet the HC requirement.
SPNS102: H&FA course. Meets UM language requirement. 4-credit course needed for 60 credits for degree.
ENST230: UM required course.
ENSC105: Course not required by UM, but compliments this pathway well. This course may not be needed if student completed M121 and/or M151 prior to taking M171—check overall credits earned.
COMX111: UM required course. Course offered every fall, spring, and summer semester.